

UNITED STATES DE ARTMENT OF COMMERCE Patent and Trademark Office



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SERIAL NUMBER	FILING DATE	F	IRST NAMED APPLICANT	ATTORNEY DOCKET NO.
314124	10/23/81	Tullis		22178
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EXAMINER MARTINECL ART UNIT PAPER NUMBER 127

	ļ		DATE MA	AILED:	7 70
	EXAMINER INTER	RVIEW SUMMAR	Y RECORD		
All participants (applicant, applicant's repre	esentative, PTO personnel):				
11) Dr. Tullis		(3) Mr. Ku	reluum		
12) Dr. Cumpbell		(4) Mr. Fo.	ank		
Date of interview /0/18/85		_ (S) No. Mo	whiell		
Type: 🗌 Telephonic 🗡 Personal (cop	y is given to applicant	⊅ applicant's repr	resentative).	,	
Exhibit shown or demonstration conducted	: Ø Yes □ No. If yes	, brief description:_	See affact	ed set g	
proposed Claims.					
Agreement	o some or all of the claims in	n question. 🗷 wa	s not reached.		
Claims discussed:					
Identification of prior art discussed: M/M	Her etal (1881),	Stephenson.	etal, Zances	bik et d	
bridging 190.3-4 by amendment et of (1881) in that M to non-specific effects with will binding to cooling region	Applicant argued inter uses shorter uses shorter in the instant applications not limit in connection to the contents which would render the substance of the applicant is given one more ovide a separate record of the last Office action, and the last Office action, and	Hodrawn, App Hot 'nsta oligonuclash caps deal caps Ag a ld to oligonuclash available, which the the claims allowable ntrary, A FORMAL NTERVIEW (e.g., inth from this interview he substance of the sattachments) reflect	other comments: Control of the 1/1. Include intends Invention of the sound of the	Ho a roid I white to ERNAS The inhibition of the history of the message of the claims along the rependent of the substance of the objection o	lowable must be hed.) FICE ACTION IS a response to the e of the interview.
81-3679 PTOL-413 (rev. 1-81)	•	647	Examiner's Signature	un IX	



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(1)	(3)
(2)	(4)
Date of interview	-
Type: Telephonic Personal (copy is given to applicant)	applicant's representative).
Exhibit shown or demonstration conducted: 🔲 Yes 📋 No. If yes, b	brief description:
Agreement	question.
Claims discussed:	
	sequences in viral RNA (ory.
Description of the general nature of what was agreed to if an agreement we Zamechik). Pending limitation of chains, and connection with all	was reached, or any other comments: Stephenson - Lywert Examiner favorably impressed regarding 103 rejections. In view
new Miller et al (USP 41511,713) reference	e examiner will rake a supplementary
office action of 5/8/085. No comment	Sequences in viral RNA (o.y. was reached, or any other comments: Stephenson & Lancet: Examiner favorably impressed regarding 103 rejections. In view of the assignmentary applicant to respond to the as to patentability was made
attached. Also, where no copy of the amendments which would render th Unless the paragraphs below have been checked to indicate to the cont NOT WAIVED AND MUST INCLUDE THE SUBSTANCE OF THE IN	available, which the examiner agreed would render the claims allowable must be the claims allowable is available, a summary thereof must be attached.) Intrary, A FORMAL WRITTEN RESPONSE TO THE LAST OFFICE ACTION IS NTERVIEW (e.g., items 1–7 on the reverse side of this form). If a response to the oth from this interview date to provide a statement of the substance of the interview.
☐ It is not necessary for applicant to provide a separate record of the	
Since the examiner's interview summary above (including any att requirements that may be present in the last Office action, and si response requirements of the last Office action.	attachments) reflects a complete response to each of the objections, rejections and since the claims are now allowable, this completed form is considered to fulfill the
81-3679 PTOL-413 (rev. 1-81)	(CLI) Examiner's Signature



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EXAMINER			
J. Martinell			
ART UNIT PAPER NUMBER			
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DATE MAILED:

EXAMINER INTE	RVIEW	SHMMA	(RY	RECORD
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EXAMINER INTERVIEW SUMMART RECORD		
All participants (applicant, applicant's representative, PTO per	sonnel):	
Or. Tullis Mr. Kovelman	(3) Mr. Serota	
Mr. Kovelman	Mr. Martinell	
(2)	(4)	
Date of interview 11/15/84	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
Type: ★★Telephonic	pplicant applicant's representative).	
Exhibit shown or demonstration conducted: 🔲 Yes 🗷 No	p. If yes, brief description:	
Agreement	e claims in question.	
Claims discussed: 4 1		
Miller et al (1977), Zamecni	Applicant agreed with	
enabled because RNAs are tal	Applicant argued 112 rej. in that claims are ken up by cells (Miller et al- 1977); exr. wil that Applicant asseted that Patterson et al	
and Hastie et al references	use only long polynucleotides and harsh eve only a low level of transformatmon (10).	
Also argued that high meltin	ng point detrimental to cells. Applicant tal as evidence that triester form of RNA rhter argued that affidavit shows in vitro	
arrest to work and that use	of oligonucleotide AMEXABELIANE COMPLEMENTARY	
Unless the paragraphs below have been checked to indicate	Ild render the claims allowable is available, a summary thereof must be attached.) to the contrary, A FORMAL WRITTEN RESPONSE TO THE LAST OFFICE ACTION IS OF THE INTERVIEW (e.g., items 1 – 7 on the reverse side of this form). If a response to the mone month from this interview date to provide a statement of the substance of the interview.	
☐ It is not necessary for applicant to provide a separate re	eocrd of the substance of the interview.	
☐ Since the examiner's interview summary above (inclured requirements that may be present in the last Office as response requirements of the last Office action.	ding any attachments) reflects a complete response to each of the objections, rejections and ction, and since the claims are now allowable, this completed form is considered to fulfill the	
	Examiner's Signature	

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EXAMINER			
J. Martine	11		
ART UNIT	PAPER NUMBER		
127	12 (p. 282)		

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EXAMINER INTERVIEW SUMMARY RECORD

All participants (applicant, applicant's representative, PTO personnel):	
11	(3)
(2)	4)
Date of interview	•
Type: Telephonic Personal (copy is given to applicant	applicant's representative).
Exhibit shown or demonstration conducted: 🔲 Yes 🔲 No. 🏻 If yes, b	orief description:
Agreement	uestion.
Claims discussed:	::
Identification of prior art discussed:	
have a high degree of secondary	is capable of translating mRNAs that structure. Applicant intends to ply reference(s) showing such translation ment as to patentability was made.
	* .
attached. Also, where no copy of the amendments which would render the	
	trary, A FORMAL WRITTEN RESPONSE TO THE LAST OFFICE ACTION IS ITERVIEW (e.g., items 1 – 7 on the reverse side of this form). If a response to the th from this interview date to provide a statement of the substance of the interview.
\square It is not necessary for applicant to provide a separate record of the	a substance of the interview.
☐ Since the examiner's interview summary above (including any at requirements that may be present in the last Office action, and s response requirements of the last Office action.	tachments) reflects a complete response to each of the objections, rejections and ince the claims are now allowable, this completed for f is considered to fulfill the
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